# **6AM5**

# POWER AMPLIFIER PENTODE

MINIATURE TYPE

#### GENERAL DATA

#### Electrical:

Heater, for Unipotential Cathode: a.c. or d.c. volts 6.3 Voltage amp. Direct Interelectrode Capacitance (Approx.):
Grid to Plate Current 0.5 max. μμF 1.2 μμF Input μμF Output

## Mechanical:

Mounting Position Maximum Overall Length Maximum Seated Height Maximum Diameter Bulb Base

2-1/8" 1-15/16" 3/4T T-5-1/2 Miniature Button 7-Pin

Pin 1 - Grid No. 1

Pin 2 - Cathode and

Grid No. 3

Pin 3 - Heater Pin 4 - Heater



Pin 5 - Plate

Pin 6 - No

Connection

Any

Do not use Pin 7 - Grid No. 2

#### BOTTOM VIEW

## AMPLIFIER -- Class A1

Pentode Connection

## Maximum Ratings:

D1-1- U-14-00		250 max.	volts
Plate Voltage Grid No. 2 (Screen)	Voltage	250 max.	volts
Grid No. 2 (Screen)	TOTEDEC	▲ max.	watts
Plate Dissipation Grid No. 2 (Screen)	Discinstian	0.6 max.	
Grid No. 2 (Screen)	Dissipacion	25 max.	
Plate Current	V-) 1000	50 max.	
Peak Heater-Cathode	AOTrage	,	

Typical Operation and Characteristics:

## Single Valve Amplifier - Class A

Plate Voltage Grid No. 2 (Screen) Voltage Grid No. 1 (Control) Voltage Cathode Bias Resistance Peak A.F. Grid No. 1 Voltage Plate Current	200 200 -7.5 330	16	volts volts volts ohms volts mA
Plate Current Grid No. 2 Current Plate Resistance	3	2.4	

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Mutual Conductance	-	2,600	penhos
Amplification Factor	-	390	
Load Resistance	10,000	16,000	ohms
Total Harmonic Distortion	7	10	7.
MaxSig. Power Output	1.25	1.4	watts

# Push Pull Amplifier - Class AB,

## . Values are for two valves

		Cathode Bias	Fixed bla	5	
	Plate Voltage	250	250	volts	
	Grid No. 2 (Screen) Voltage	250	. 250	volts	
	Grid No. 1 (Control) Voltage		-19	volts	
	Cathode Bias Resistance	600	-	ohms	
١	Peak A.F. Grid No. 1 Voltage		37	volts	
l	Zero-Sig. Plate Current	- 34 22	10	m.A	
ļ	Zero-big. Plate Current	25.6	32	m.A	
ĺ	MaxSig. Plate Current Zero-Sig. Grid No. 2 Current	3.2	1.3	m.A	
ı	Zero-Sig. Grid No. 2 Current	8.2	. 9	mA	
l	MaxSig. Grid No. 2 Current	24,000	20,000	ohms	
i	Load Resistance	3.2	3.3	97	
ı	Total Harmonic Distortion	. 7.7	4.É	watts	
ĺ	MaxSig. Power Output	•	4.0		

# Amplifier - Class A

# Triode Connection #

## Maximum Ratings:

Plate Voltage Plate Dissipation Plete Resistance † Mutual Conductance † Amplification Factor †		250 max. 4.6 may. 3,850 3,000	
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# Screen tied to plate at socket

+ Measured at Ebb = 250V Ec1 = -13V.